

## ABSTRACT

With reference to Figure 1, a truck 1 for a skateboard 2 comprises a base structure 3 detachably secured to the underside 30 of the skateboard deck 4, a yoke assembly 17 having spaced-apart upper and lower portions 17a, 17b flexibly located by the base structure 3, a king-pin assembly 5 including a king-pin 7 for clamping the base structure 3 and the yoke assembly 17 together, and a pair of skateboard wheels 6 carried by the truck 1.

The arrangement is such that the rotational axis 8 of the wheels 6 is disposed substantially at right angles to the longitudinal axis 9 of the king-pin 7 and said axis 8 is also disposed at a steering head angle of substantially  $30^\circ$  to the vertical, (represented by vertical line 10), when the skateboard is at rest on the ground, i.e. in the position shown. The steering head axis is represented by line 31.

The king-pin axis 9 extends between the flexibly-located upper and lower portions 17a, 17b.

The rotational axis 8 of the wheels 6 remains spaced from, and substantially parallel to, the plane containing the radial arc 101 (Figure 14) of the axis 8 as it rotates about the steering head angle  $\alpha$ , said plane being substantially perpendicular to the steering head angle.

Figure 1